That which is claimed is:

1. A method for treating diabetes mellitus, said method comprising contacting a biological system with an effective amount of a compound which inhibits binding of CREB to CBP.

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2. A method according to claim 1 wherein said treatment of diabetes mellitus ameliorates hyperglycemia.

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- 3. A method according to claim 2 wherein gluconeogenesis is modulated.
- 4. A method according to claim 3 wherein 10 transcription of PEPCK is inhibited
  - 5. A method according to claim 2 wherein transcription of glucogon gene is inhibited.

6. A method according to claim 1 wherein said biological system is an intact organism.

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7. A method according to claim 1 wherein said contacting is carried out by oral, intravenous, subcutaneous, intramuscular or intracutaneous mode of administration.

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- 8. A method for identification of a compound which inhibits activation of cAMP and mitogen responsive genes, said method comprising:
  - (a) contacting a modified host cell with a test compound, wherein said modified host cell comprises:

a first fusion protein comprising a GAL4 DNA binding domain, operatively associated with the KID domain of CREB,

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a second fusion protein comprising an activation domain, operatively associated with the KIX domain of CBP, and

a reporter construct comprising a GAL4 response element operatively linked to a reporter gene; and

- (b) selecting those test compounds which cause reduced expression of the reporter gene product.
- 9. A method according to claim 8, wherein said GAL4 DNA binding domain is operatively associated with CREB.
- 10. A method according to claim 8, wherein said activation domain is operatively associated with CBP.
- 11. A method according to claim 8 wherein compounds which disrupt complex comprising CREB and CBP are identified.
- 12. A method for treating diabetes mellitus, comprising contacting a biological system with an effective amount of a compound identified by the method of claim 8.
- 13. A method to identify compounds which disrupt complex comprising CREB and CBP, said method comprising:
  - (a) contacting a modified host cell with a test compound, wherein said modified host cell comprises:
    - a first fusion protein comprising an activation domain, operatively associated with the KID domain of CREB,

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a second fusion protein comprising a GAL4 DNA binding domain, operatively associated with the KIX domain of CBP, and a reporter construct comprising a GAL4 response element operatively linked to a reporter gene; and

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(b)

selecting those test compounds which cause reduced expression of the reporter gene product.

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14. A method according to claim 13, wherein said activation domain is operatively associated with CBP.

15. A method according to claim 13, wherein said GAL4 DNA binding domain is operatively associated with CBP.

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16. A method according to claim 13 wherein compounds which disrupt complex comprising CREB and CBP are identified.

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17. A method for treating diabetes mellitus, comprising contacting a biological system with an effective amount of a compound identified by the method of claim 13.

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